<110> MERISTEM THERAPEUTICS

<120> CLEAN SYNTHETIC VECTORS, PLASMIDS, TRANSGENIC PLANTS
      AND PLANT PARTS CONTAINING SAID VECTORS, AND THEIR
      METHODS OF PRODUCTION

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<170> PatentIn Ver. 2.1

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<223> TrfA locus from pRK2 coding for two proteins P285
      and P382 enabling an increase in the replication
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9

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14

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21

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<223> NPT III gene coding for neomycin
      phosphotransferase and kanamycin resistance

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<223> TrfA locus f●●RK2 coding for two proteins, P2●●
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23

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<223> Origin of replication ori RK2

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<223> Origin of replication ori ColEI

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<223> NPT III gene coding for neomycin
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25

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38

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<223> TrfA locus from RK2 coding for two proteins, P285
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41

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and P382, enabling the increase in the rate of
replication

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44

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<211> 28
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64

<213> Artificial Sequence

<220>
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<210> 24
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligo
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<210> 25
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
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restriction site

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<210> 26
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
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<210> 27
<211> 29
<212> DNA
<213> Artificial Sequence

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<210> 28

65

<211> 30
<212> DNA
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<210> 31
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<210> 32
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<212> DNA
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<220>
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     restriction site

<400> 32

66

gcgcacttgg gcccata⬤cgacgaacga tcgttcaaac atttggc⬤   47

<210> 33
<211> 47
<212> DNA
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<220>
<223> Description of Artificial
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     restriction site

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<210> 34
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
     Sequence:Oligodesoxynucleotide downstream of a
     BstBI restriction site

<400> 34
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<210> 35
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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     restriction sites KpnI, HindIII, EcoRI and XhoI

<400> 35
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<210> 36
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
     Sequence:Oligodesoxynucleotide containing
     restriction sites AvrII and AgeI

<400> 36
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<210> 37
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

67

Sequence:Oli⬤soxynucleotide used for synthe⬤
of fragment ⬤-beg. Pnos"

<400> 37
atatgagact ctaattggat accgagggg   29

<210> 38
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      EcoRI, HindIII et KpnI restriction sites

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<210> 39
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<212> DNA
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<220>
<223> Description of Artificial
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<400> 39
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<210> 40
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<212> DNA
<213> Artificial Sequence

<220>
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<210> 41
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<220>
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      et FseI restriction sites of an MCS

<400> 41
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<210> 42
<211> 52

<212> DNA
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     et FseI restriction sites of an MCS

<400> 42
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<210> 43
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<220>
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<210> 45
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<212> DNA
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<220>
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<210> 46
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     restriction site

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69

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<210> 47
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<212> DNA
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<220>
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<210> 48
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<213> Artificial Sequence

<220>
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<210> 49
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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<210> 50
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70

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71

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<223> Description of Artificial
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<220>
<223> Description of Artificial
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<220>
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<220>
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81

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82

<220>
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83

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87

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88

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89

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